# N° of ounces of pure silver in disks of different diameters and of one inch thickness.

Sp. gr. Ag @ 60° & 30' = 10.45 $l.\begin{cases} .7853982 = -1.8950900 \\ 5.496475 = 0.7400842 \end{cases}$

C.I. water @ 60° Fah. 30" Bar = 252.47 grs.

C.I. Pure silver @ 60° + 30'. = 2638.31 grs = 5.496475 oz. Troy

| d. | $d^2$ | S. Inches $d^2 \times .7853982$ | oz. pure silver $d^2 \times .785398 \times 5.496475$ | 1. diff | 2. diff |
|---|---|---|---|---|---|
| 9 | 81 | 63.6173 | 349.671 | 73.387 | 8.634 |
| 10 | 100 | 78.5398 | 431.6923 | 82.021 | 8.634 |
| 11 | 121 | 95.0323 | 522.342 | 90.654 | 8.633 |
| 12 | 144 | 113.097 | 621.637 | 99.288 | 8.634 |
| 13 | 169 | 132.732 | 729.560 | 107.923 | 8.635 |
| 14 | 196 | 153.938 | 846.117 | 116.555 | 8.632 |
| 15 | 225 | 176.715 | 971.307 | 125.190 | 8.635 |
| 16 | 256 | 201.062 | 1105.129 | 133.822 | 8.632 |
| 17 | 289 | 226.980 | 1247.5805 | 142.46 | 8.64 |
| 18 | 324 | 254.469 | 1398.68 | 151.09 | 8.63 |
| 19 | 361 | 283.529 | 1558.41 | 159.72 | 8.63 |
| 20 | 400 | 314.159 | 1726.77 | 168.36 | 8.64 |
| 21 | 441 | 346.361 | 1903.76 | 176.99 | 8.63 |
| 22 | 484 | 380.133 | 2089.39 | 185.63 | 8.64 |
| 23 | 529 | 415.476 | 2283.65 | 194.26 | 8.63 |
| 24 | 576 | 452.389 | 2486.55 | 202.89 | 8.63 |
| 25 | 625 | 490.874 | 2698.08 | 211.53 | 8.64 |
| 8 | 64 | 50.2655 | 276.283 | 64.753 | 8.634 |
| 7 | 49 | 38.4845 | 211.529 | 56.119 | 8.634 |
| 6 | 36 | 28.2743 | 155.409 | 47.486 | 8.634 |
| 5 | 25 | 19.63496 | 107.923 | 38.852 | 8.634 |
| 4 | 16 | 12.5664 | 69.0707 | 30.218 | 8.634 |
| 3 | 9 | 7.06858 | 38.8523 | 21.5848 | 8.6346 |
| 2 | 4 | 3.14159 | 17.2677 | 12.9502 | 8.63352 |
| 1 | 1 | .7853982 | 4.31692 | | |

| d | $d^2$ | area in square inches $d^2 \times .7853982$ | oz. pure silver area $\times .5.496475$ | | |
|---|---|---|---|---|---|
| 26 | 676 | 530.929 | 2918.24 | 220.16 | 8.63 |
| 27 | 729 | ~~572.555~~ | ~~3147.04~~ | 228.80 | 8.64 |
| 28 | 784 | 615.752 | 3384.47 | 237.43 | 8.63 |
| 29 | 841 | 660.520 | 3630.53 | 246.06 | 8.63 |
| 30 | 900 | 706.858 | 3885.23 | 254.70 | 8.64 |
| 31 | 961 | 754.768 | 4148.56 | 263.33 | 8.63 |
| 32 | 1024 | 804.248 | 4420.53 | 271.97 | 8.64 |
| 33 | 1089 | | | | |
| 34 | 1156 | | | | |
| 35 | 1225 | | | | |
| 36 | 1296 | | | | |
| 37 | 1369 | | | | |
| 38 | 1444 | | | | |
| 39 | 1521 | | | | |
| 40 | 1600 | | | | |